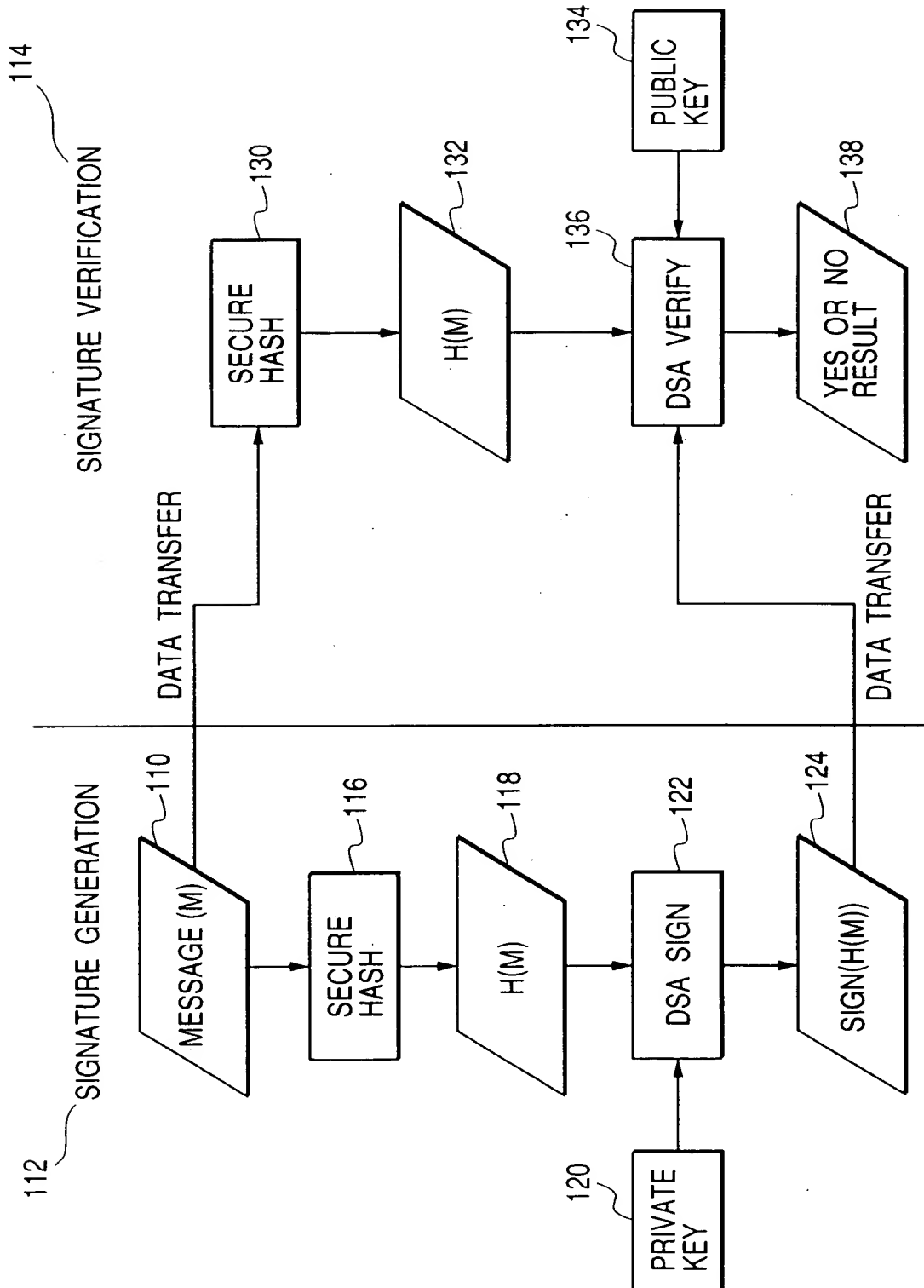


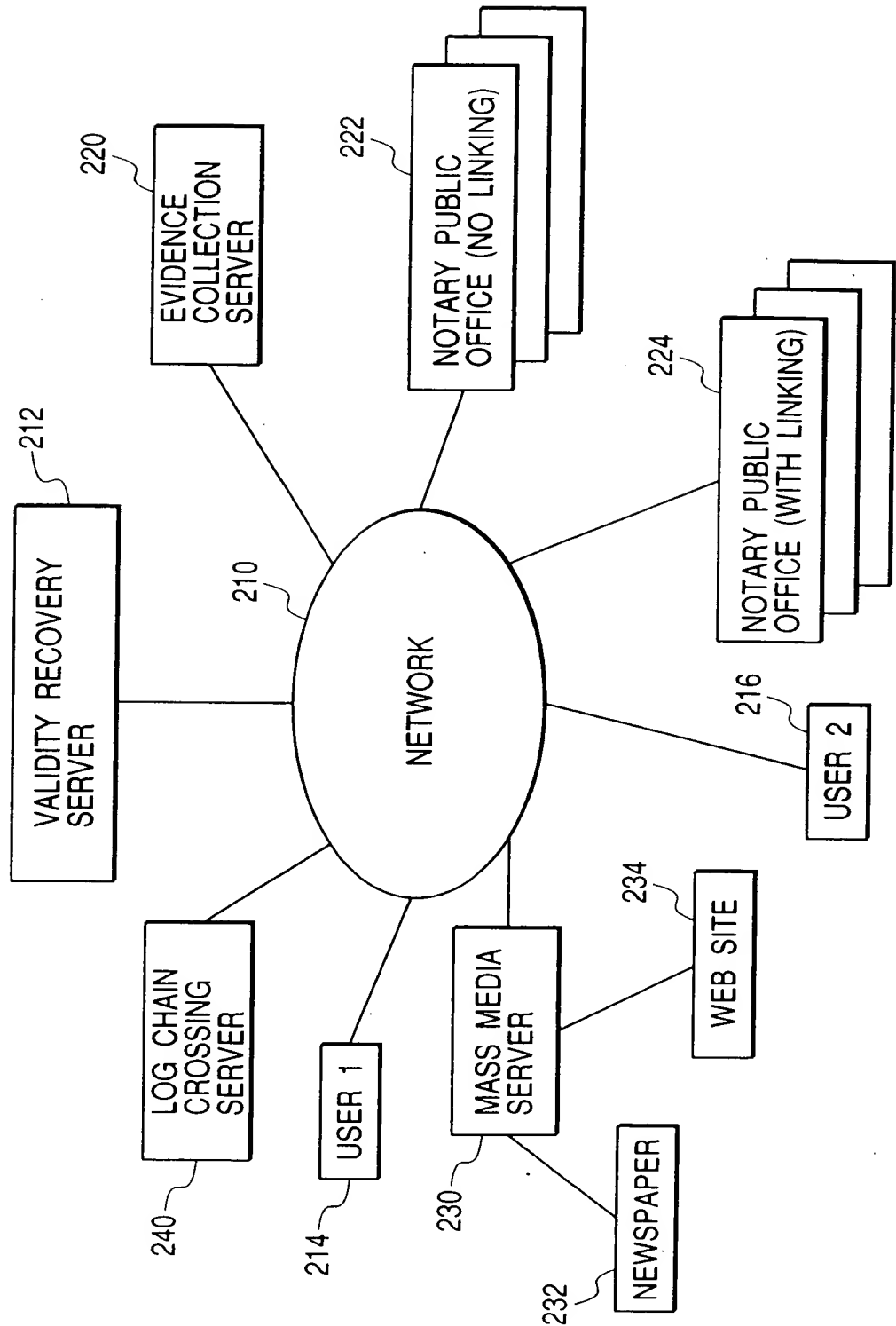
FIG. 1  
PRIOR ART



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**FIG. 2**

VALIDITY RECOVERY SYSTEM



**FIG. 3**

EXAMPLE COMPUTER

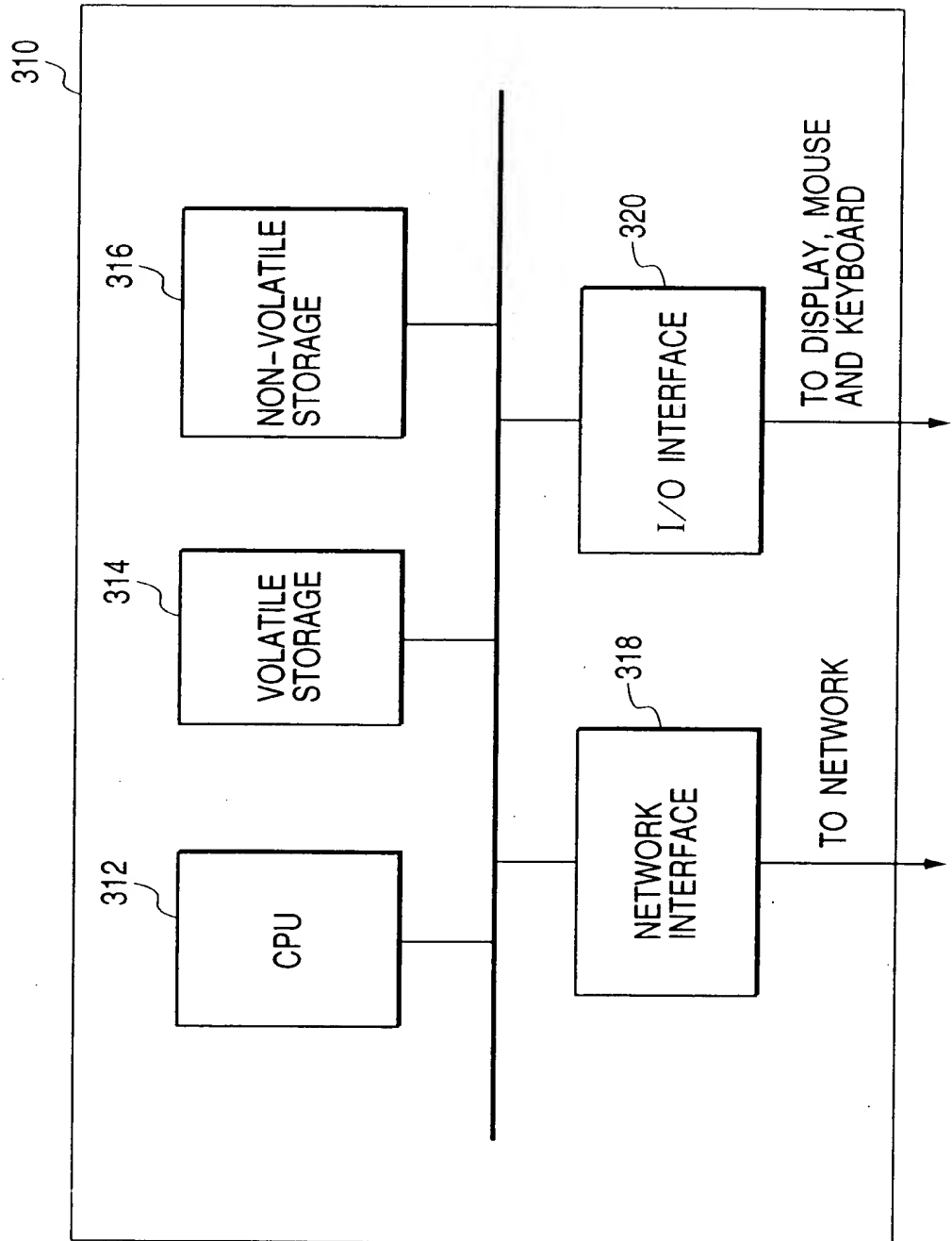


FIG. 4

MESSAGE FORMAT (410)

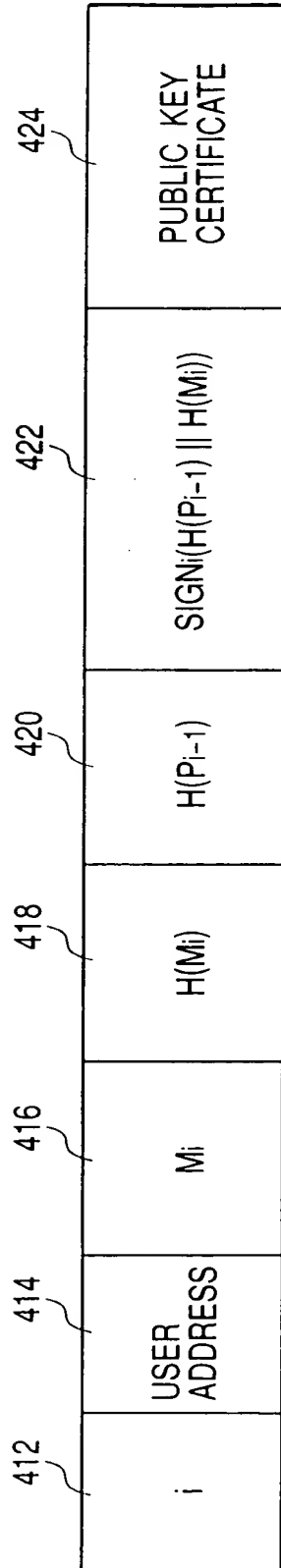


FIG. 5

MESSAGE FORMAT WITH TIMESTAMP (510)

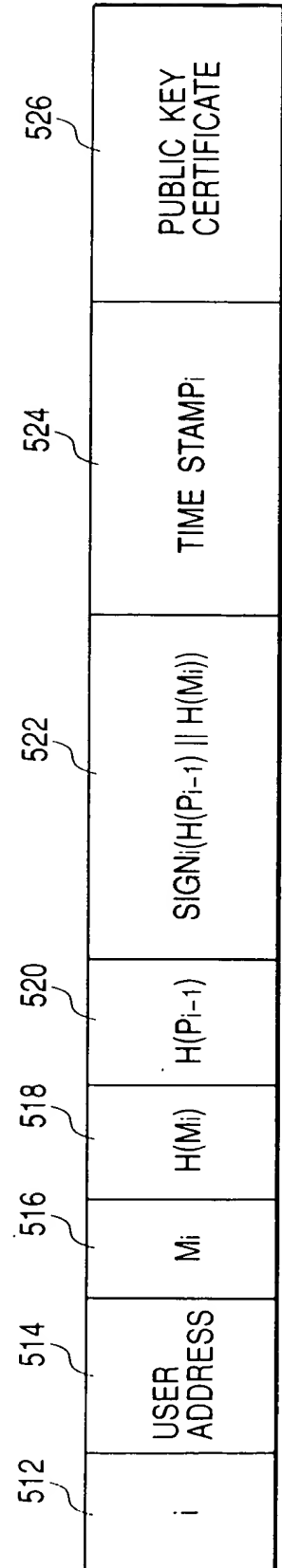


FIG. 6

SIGNATURE LOG

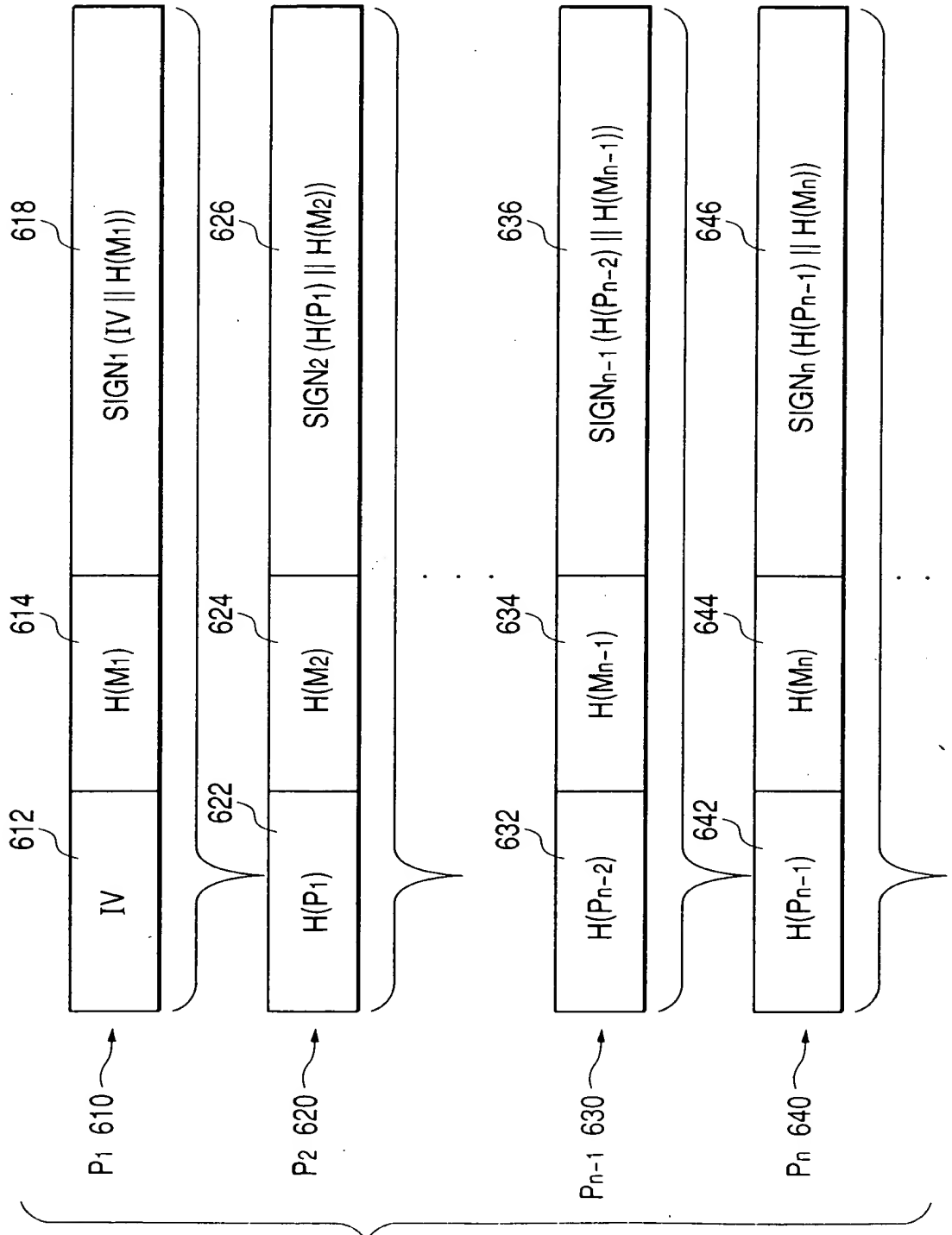
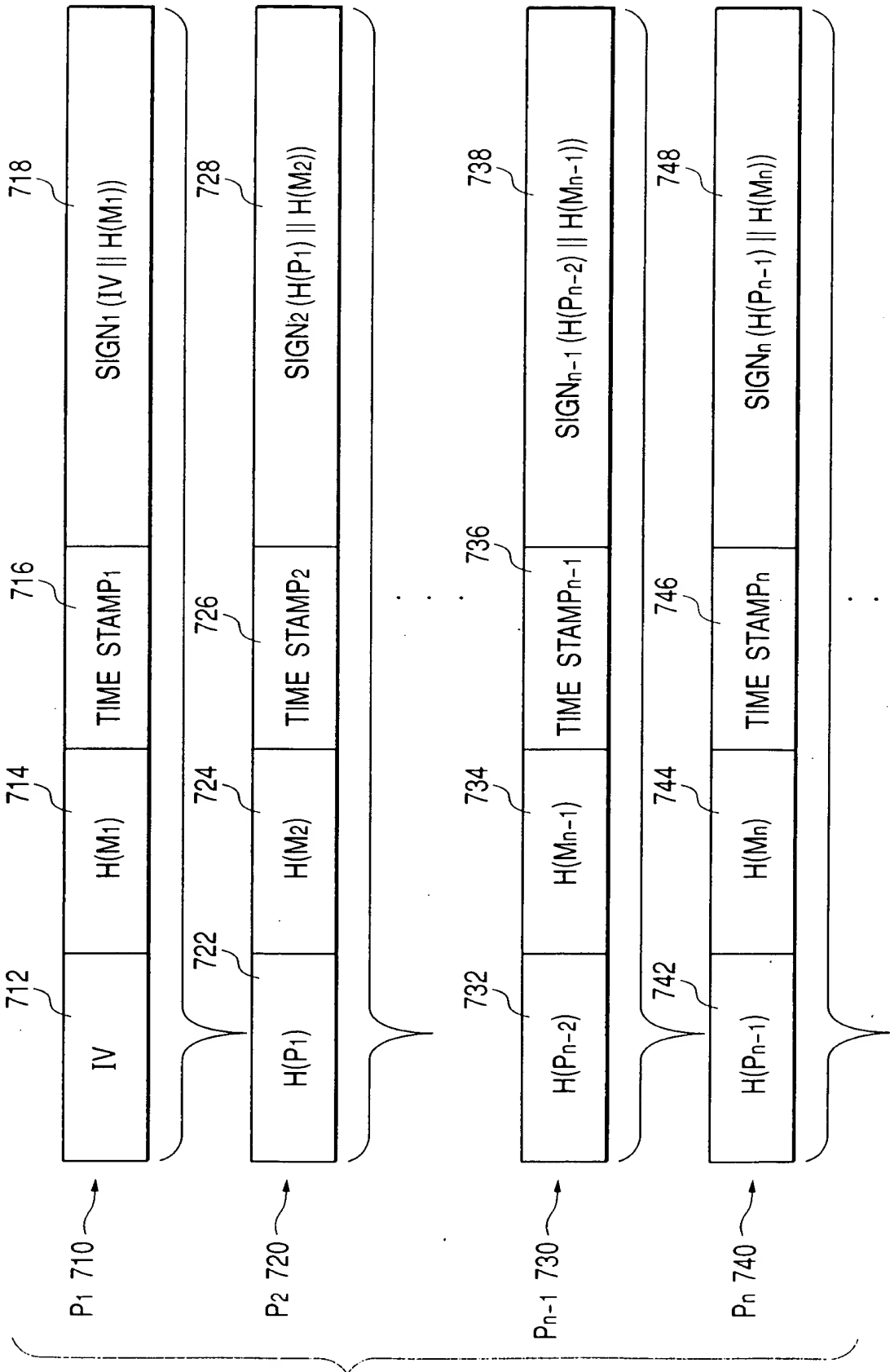


FIG. 7

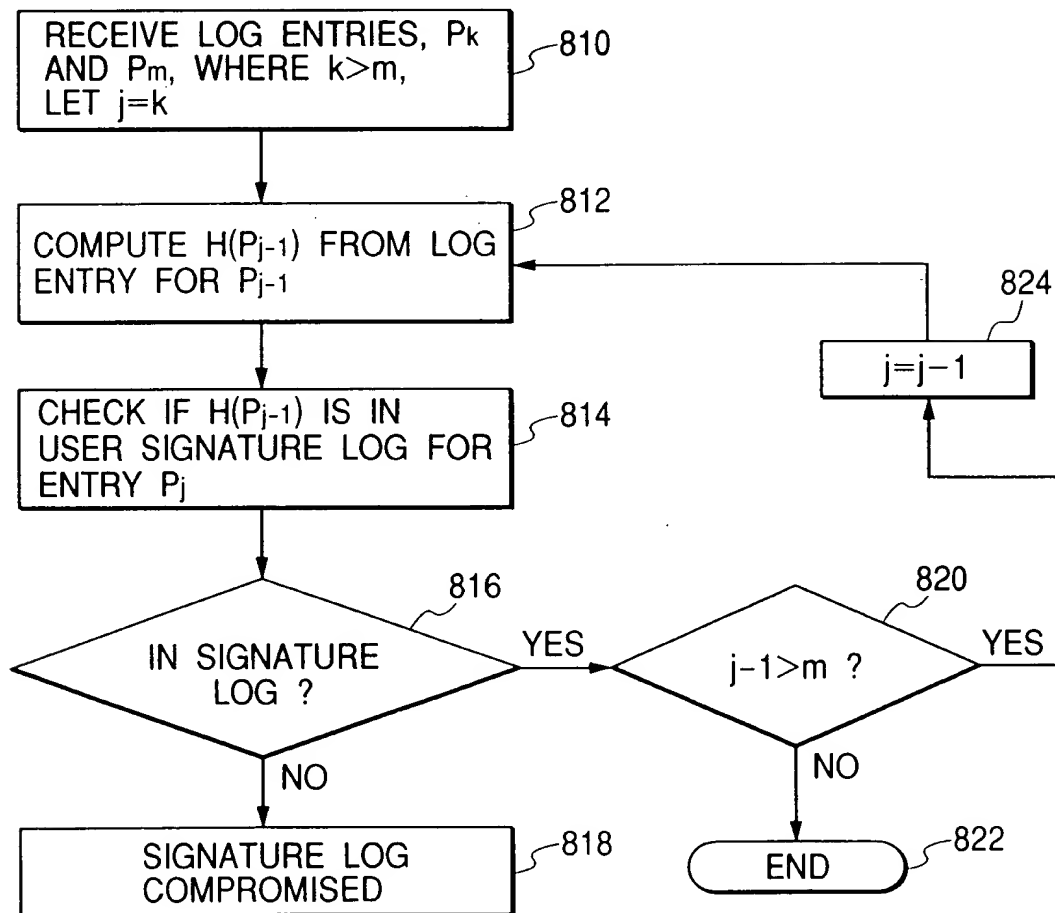
ANOTHER SIGNATURE LOG WITH TIMESTAMP



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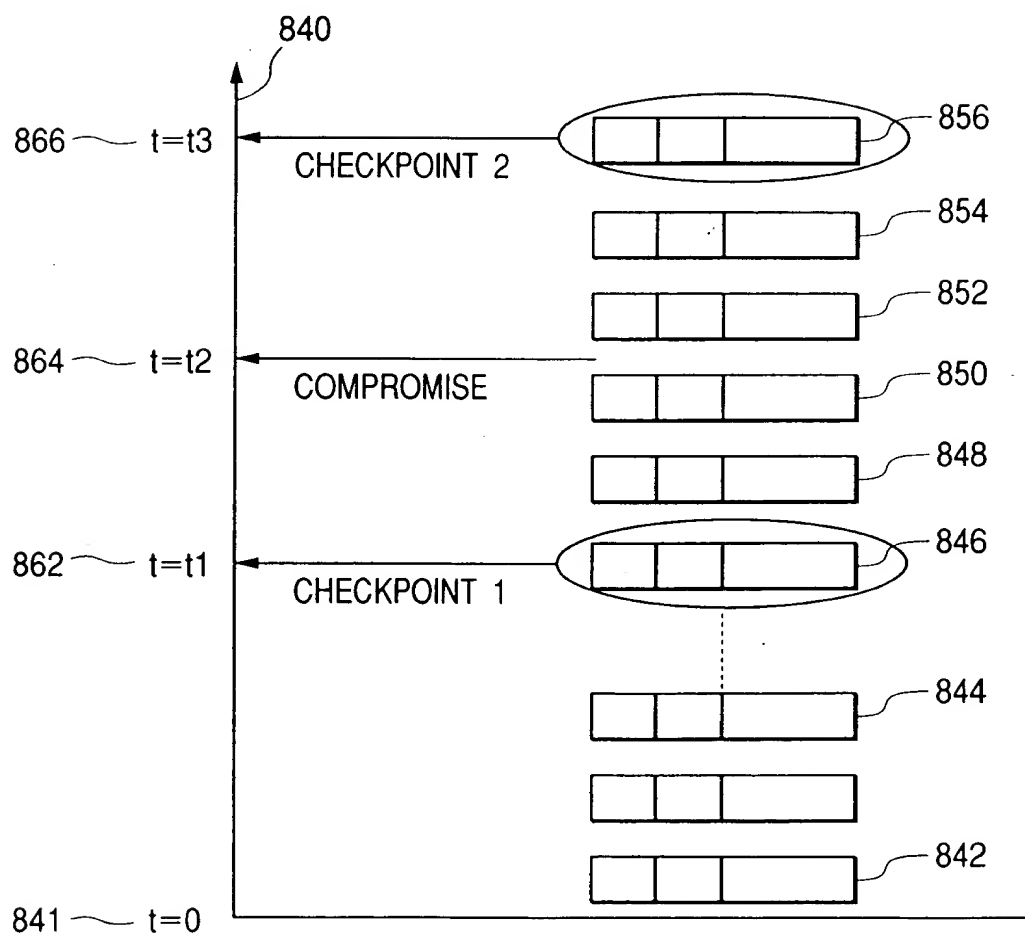
## FIG. 8

### VALIDATING LOG ENTRIES-BACKWARD CHAINING



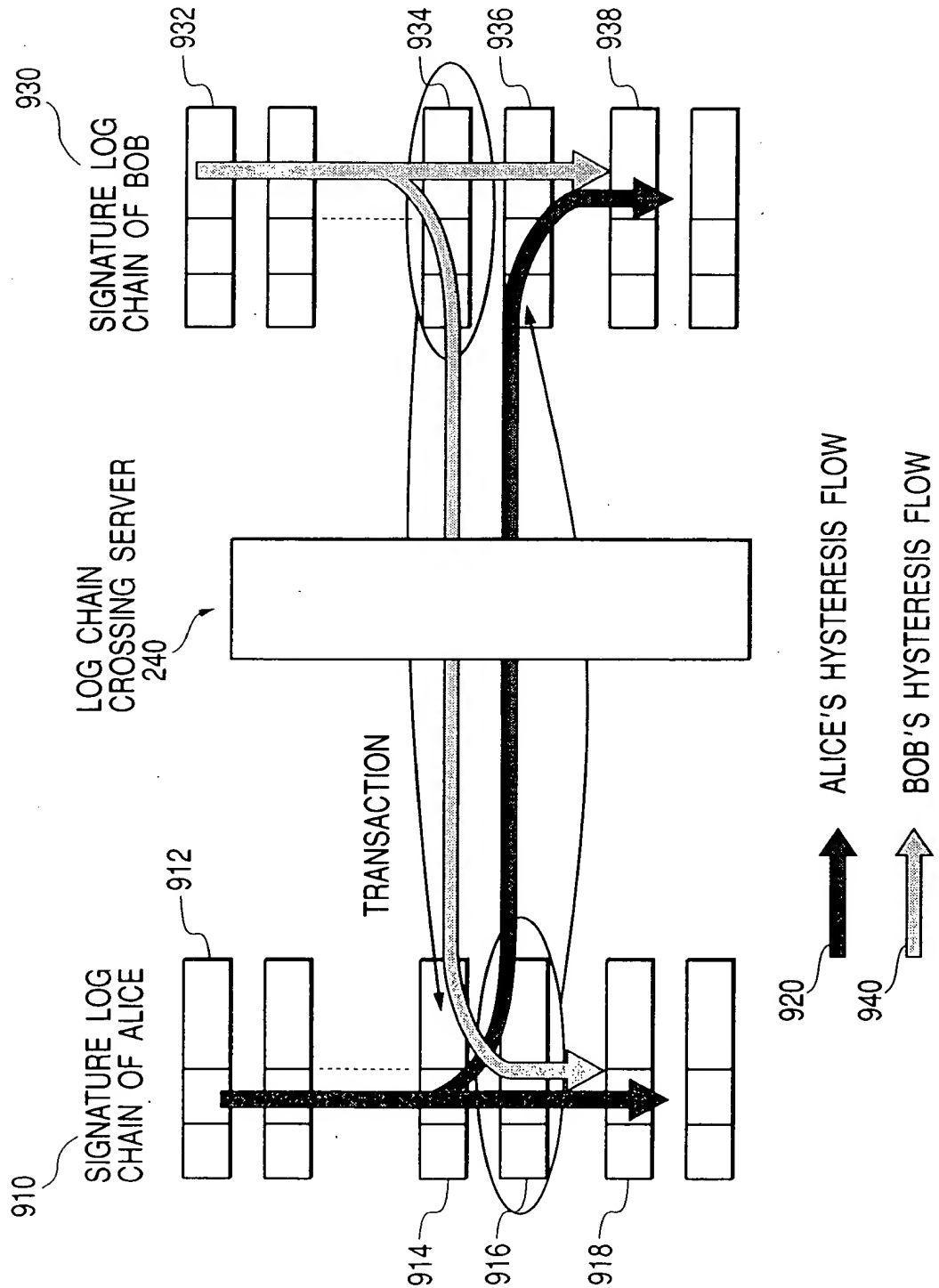
## FIG. 9

CHECKPOINTING (e.g., PUBLISHING OR NOTARY) LOG ENTRY



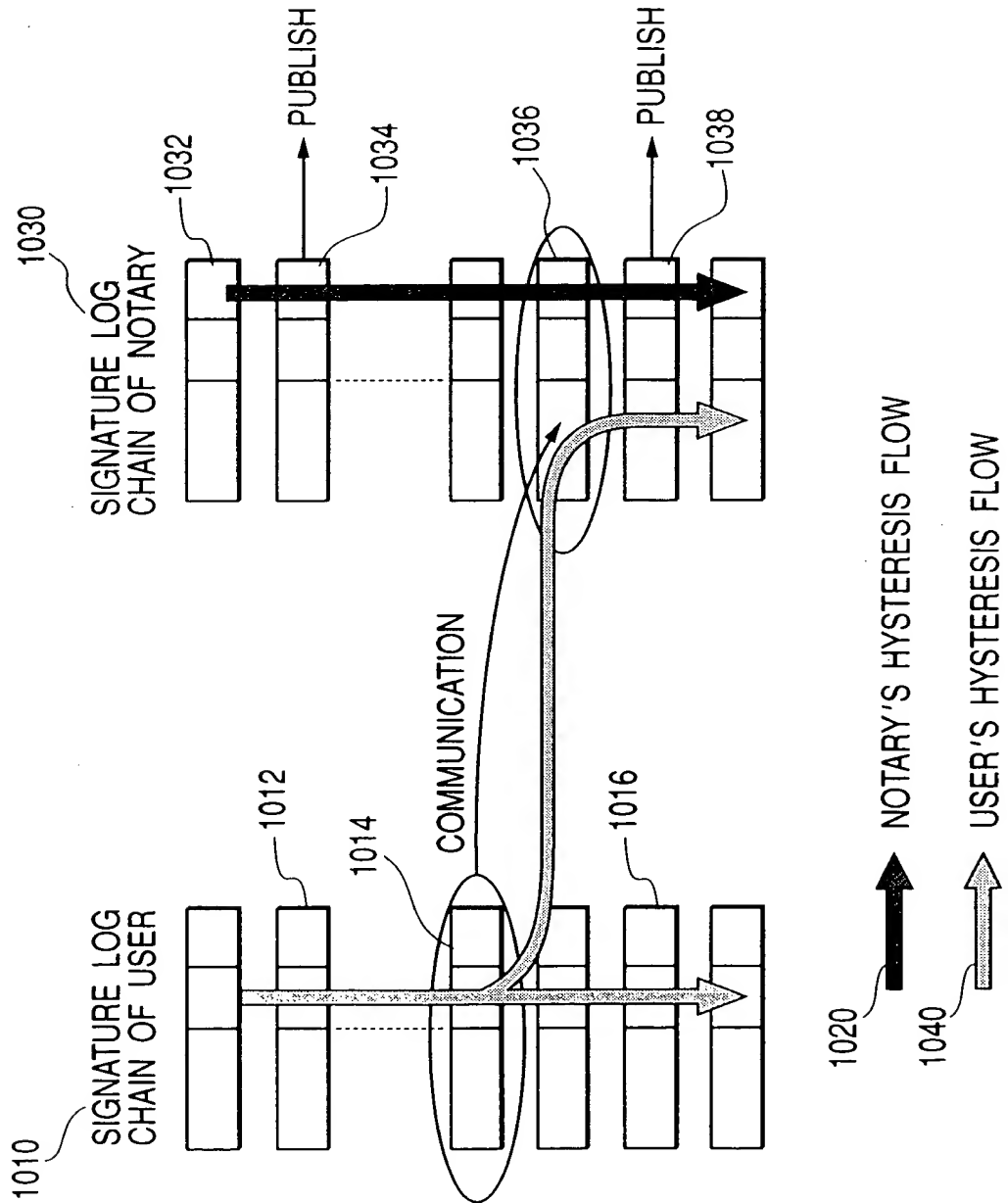


**FIG. 10**  
 LOG CHAIN CROSSING SERVER



**FIG. 11**

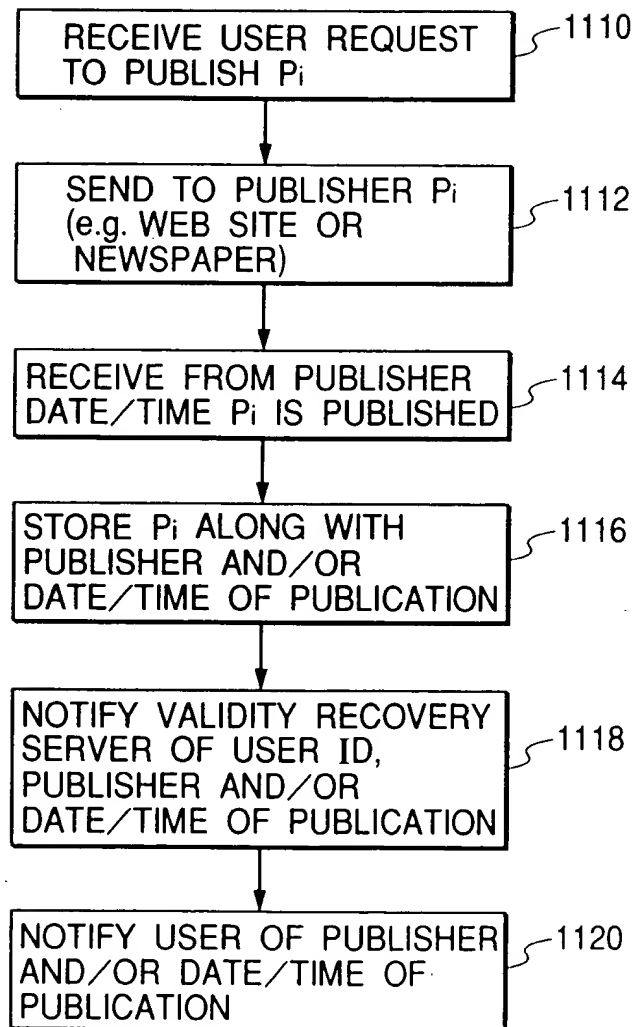
NOTARY WITH LINKING



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## FIG. 12

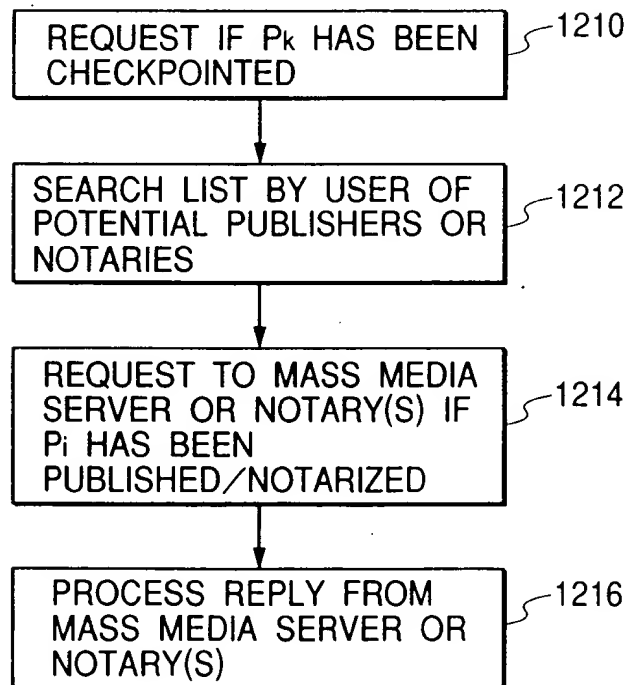
### MASS MEDIA SERVER



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## FIG. 13

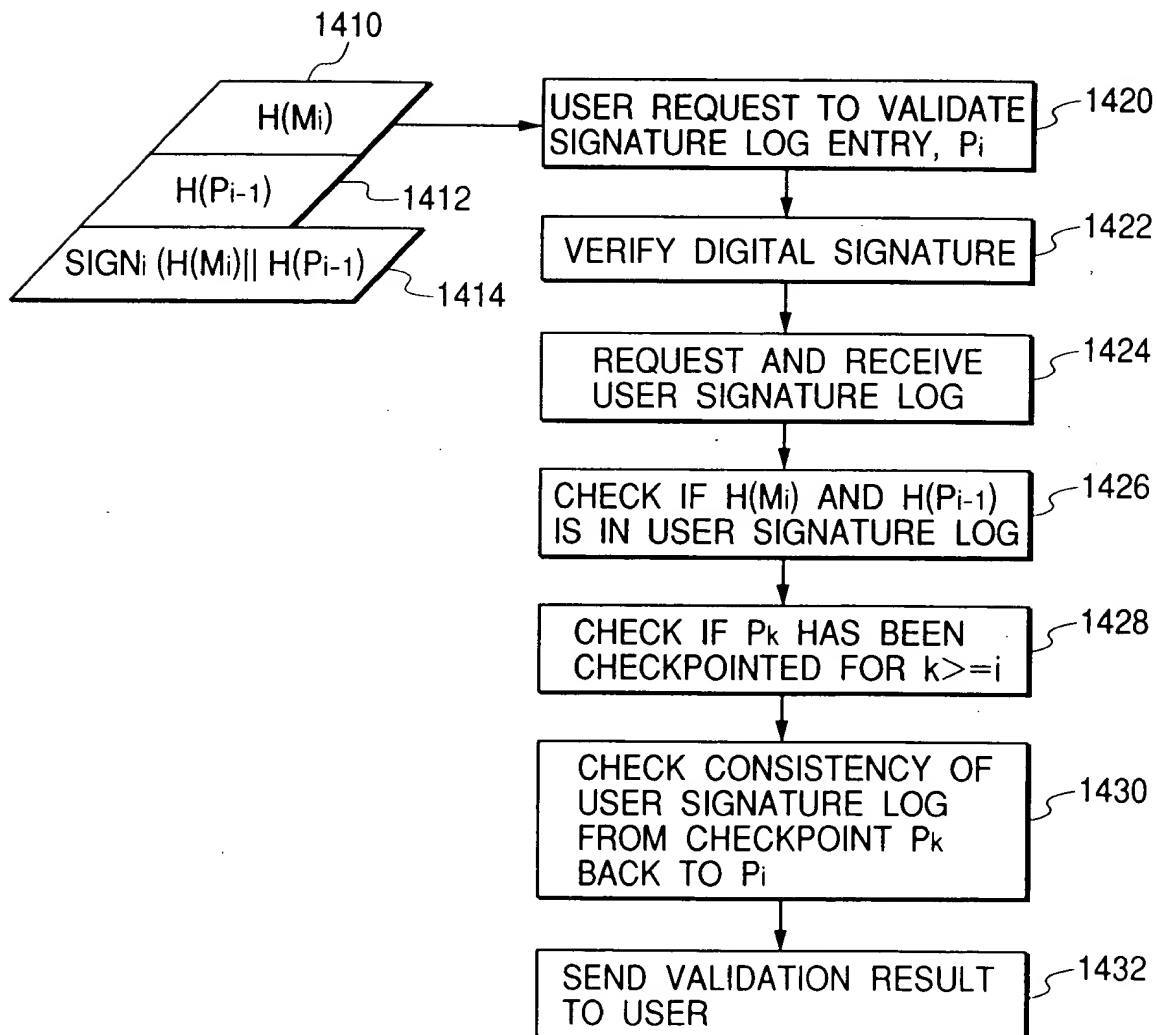
RECOVERY SERVER DETERMINING  
IF SIGNATURE LOG ENTRY HAS  
BEEN CHECKPOINTED



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**FIG. 14**

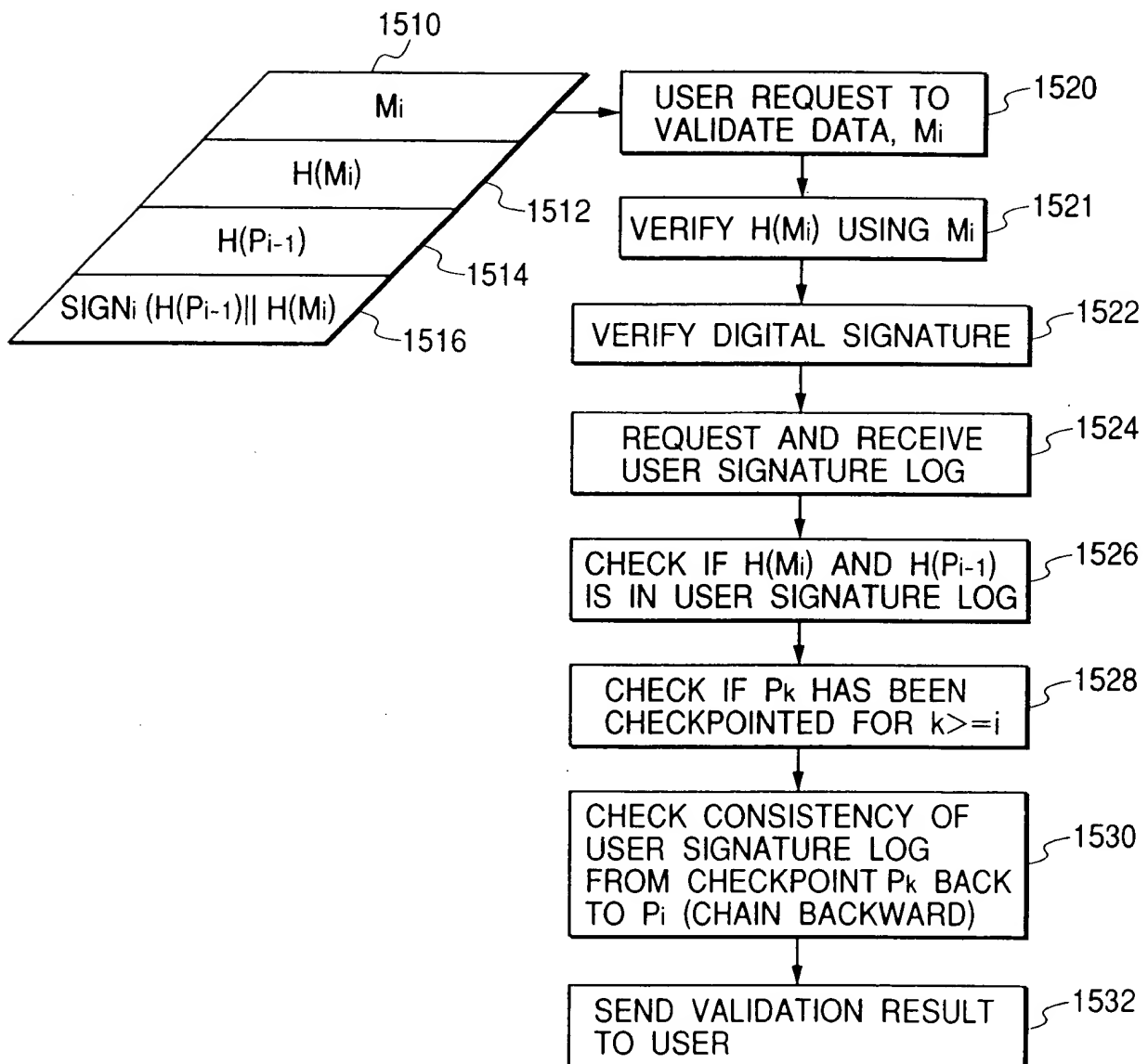
RECOVERY SERVER VALIDATING  
A USER SIGNATURE LOG ENTRY



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## FIG. 15

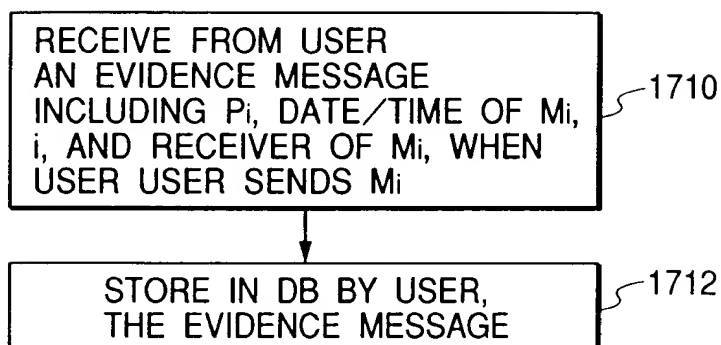
### RECOVERY SERVER VALIDATING A USER DATA ITEM



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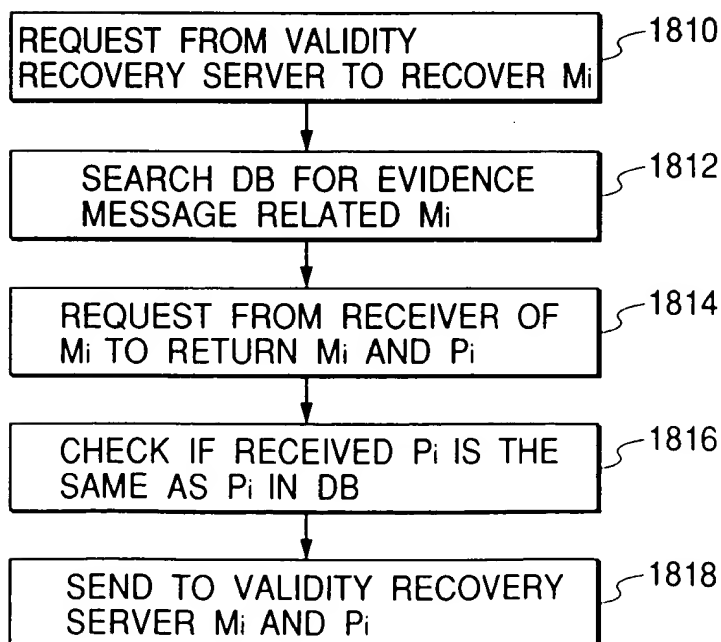
## FIG. 16

### EVIDENCE COLLECTION SERVER COLLECTING DATA



## FIG. 17

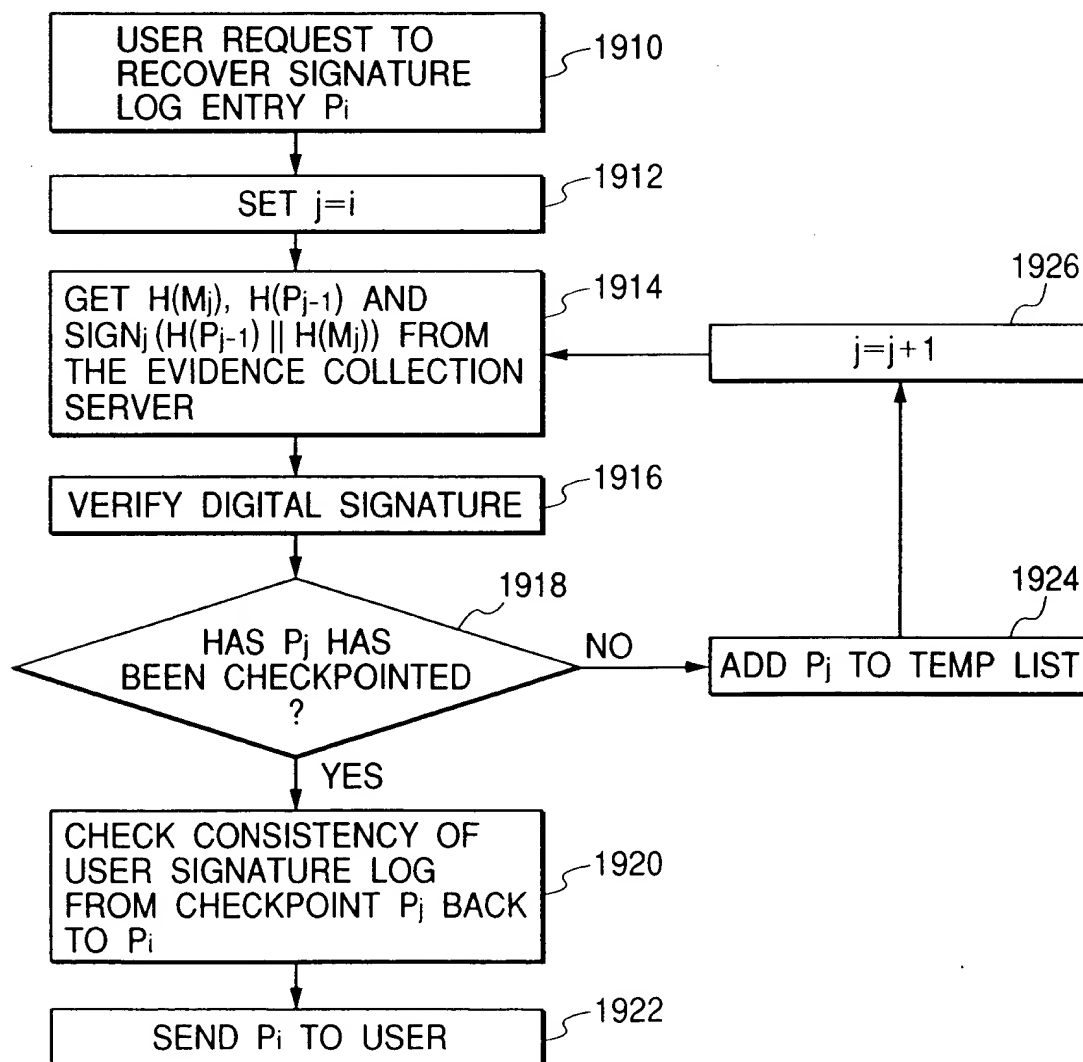
### EVIDENCE COLLECTION SERVER RECOVERING DATA



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## FIG. 18

RECOVERY SERVER RECOVERING  
USER SIGNATURE LOG ENTRY

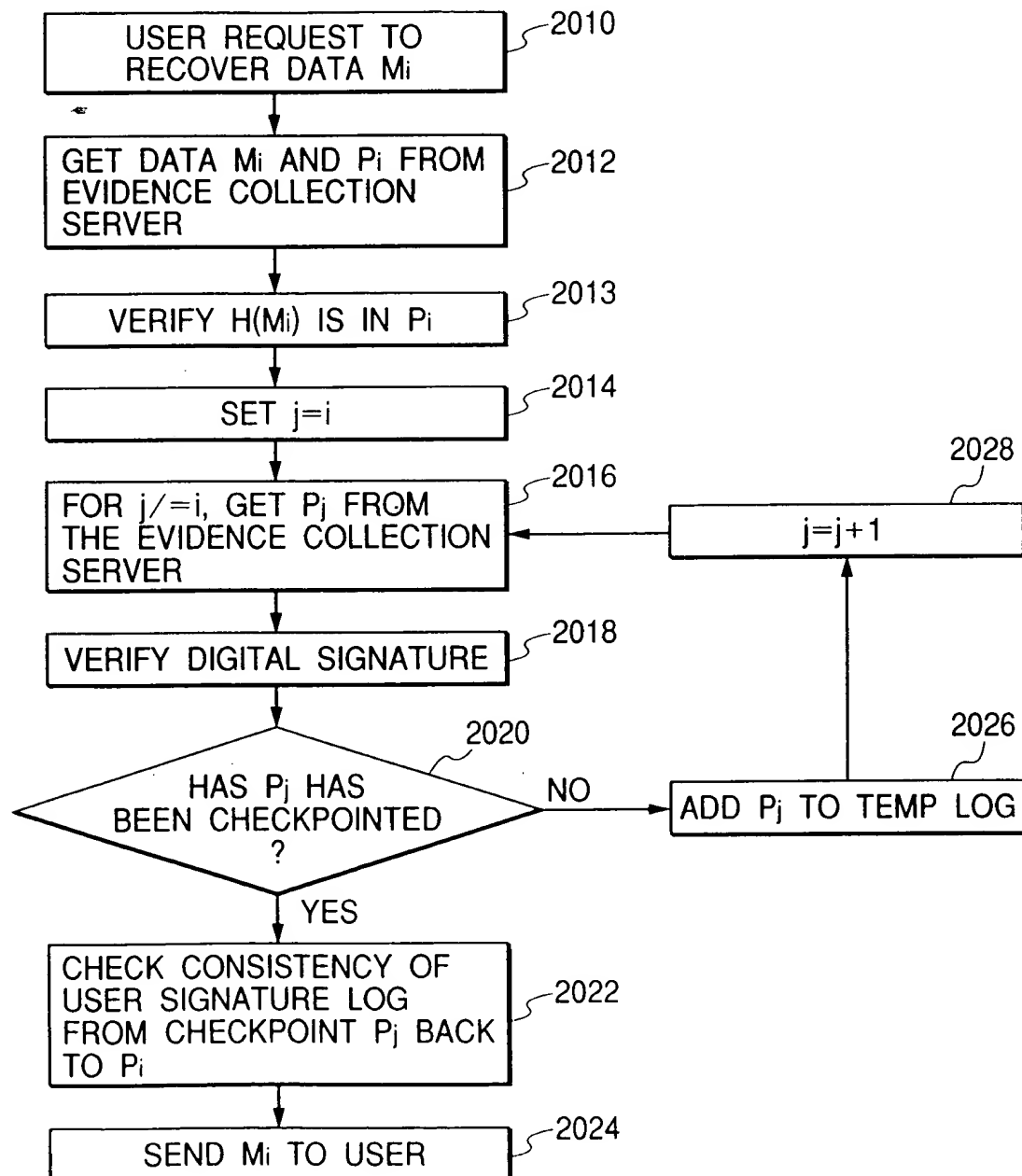




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## FIG. 19

### RECOVERY SERVER RECOVERING USER DATA ITEM



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## FIG. 20

RECOVERY SERVER RECOVERING USER  
DATA BETWEEN TWO POINTS IN TIME

